

ABSTRACT

~~An insulating composition for an electric power cable, and an electric power cable~~
 comprising a conductor surrounded by an inner semiconducting layer, an insulating layer,
 and an outer semiconducting layer, where the insulating layer consists of said insulating
 composition, are disclosed. The insulating composition is characterised in that the
 ethylene polymer is a multimodal ethylene copolymer obtained by coordination (catalysed)
 polymerisation of ethylene and at least one other alpha-olefin in at least one stage, said
 multimodal ethylene copolymer having a density of 0.890-0.940 g/cm³, a MFR₂ of
 0.1-10 g/10 min, a MWD of 3.5-8, a melting temperature of at most 125°C, and a
 comonomer distribution as measured by TREF, such that the fraction of copolymer eluted
 at a temperature higher than 90°C does not exceed 10% by weight, and said multimodal
 ethylene copolymer including an ethylene copolymer fraction selected from (a) a low
 molecular weight ethylene copolymer having a density of 0.900-0.950 g/cm³ and a MFR₂
 of 25-500 g/10 min, and (b) a high molecular weight ethylene copolymer having a
 density of 0.870-0.940 g/cm³ and a MFR₂ of 0.01-3 g/10 min.

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